

TRANSPORT OF RADIO NETWORK-ORIGINATED CONTROL INFORMATION

Patent number: WO0172057
Publication date: 2001-09-27
Inventor: RUNE GOERAN; WILLARS PER; VAN LIESHOUT GERT-JAN
Applicant: ERICSSON TELEFON AB L M (SE)
Classification:
- international: H04Q7/00
- european: H04Q7/30N
Application number: WO2001SE00552 20010316
Priority number(s): US20000190097P 20000320; US20000191499P 20000323; US20010801869 20010309

Also published as:

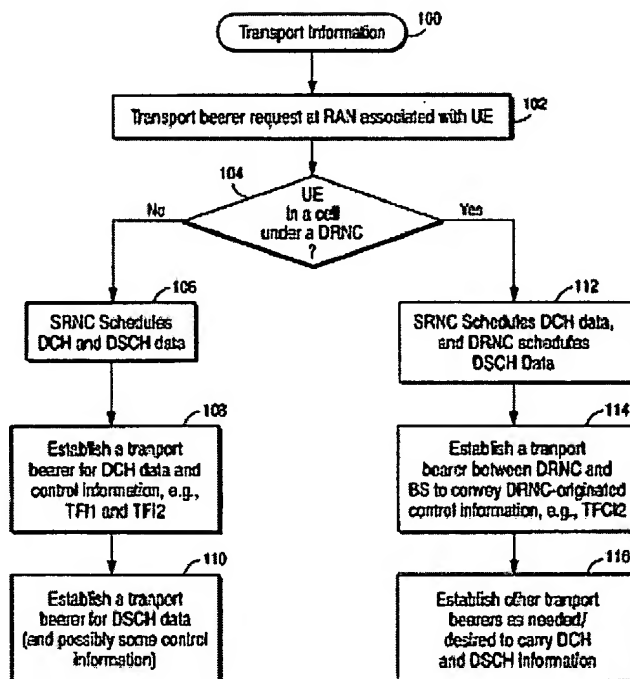
WO0172057 (A3)
US2001036823 (A1)

Cited documents:

DE19931131
WO9953704
EP0660546
US6002919

Abstract of WO0172057

In a radio access network (RAN) where information may be sent to a mobile radio unit using a shared radio channel shared by other mobile radio units, a first transport bearer is established between a first RAN node, e.g., a drift RNC, and a second RAN node, e.g., a base station, to transport data to be transmitted on the shared radio channel. A second transport bearer is established between the first and second RAN nodes to transport control information originated in the first RAN node that relates to the first transport bearer data. The first RAN node then transmits the control information over the second transport bearer to the second RAN node. The control information might include, for example, scheduling information known to the first RAN node because the first RAN node supervises scheduling of data to be transmitted on the shared radio channel. The control information may provide to the mobile radio unit information needed to decode the data transmitted on the shared radio channel. Such needed information might include, for example, a frame identifier, a specific radio resource like a spreading code, and/or an indication of how different radio resources associated with different connections are multiplexed on the shared radio channel. In one example, non-limiting embodiment, the control information includes transport format indication information such as transmit format combination indicator (TFCI) information employed in third generation Universal Mobile Telephone Systems (UMTS) in accordance with the 3GPP specification.



Data supplied from the esp@cenet database - Worldwide